

## Smart Management of Medicine and Reagents Starts with IoT Technology

Perform statistical analysis of market data and medicine or reagents usage to report on market trends providing highly useful feedback to production and sales.



HYC-509R



### Smart IoT System Makes Storage Management Simple, Precise and Effective

RFID based smart IoT management system permits automatic management of stored products are automatically



Smart RFID label



Smart RFID shelf



Industrial-grade IoT Network Module Group

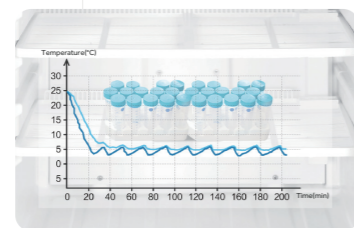


### Authorized Management for Material Flow at Controllable Risk

NFC authorized management system is traceable.



### Statistical Analysis of Test Data, Precise Verification and Scientific Instruction



### Precise Temperature Control Ultimate Safety of Test Reagents

2°C - 8°C storage temperature, real-time monitoring of cabinet temperature



### Intelligent Accurate Recording

Intelligent touch screen for quick check of warehouse in-and-out records



### Manage Market Data to Support Scientific Production Scheduling

Perform statistical analysis of market data and medicine or reagents usage to report on market trends providing highly useful feedback to production and sales.



### Effective Management of Sales Channels

Sales channels can provide timely feedback information to improve shipping, refilling, dispatching and inventory control, to provide continuity on supply and to optimize inventory level.



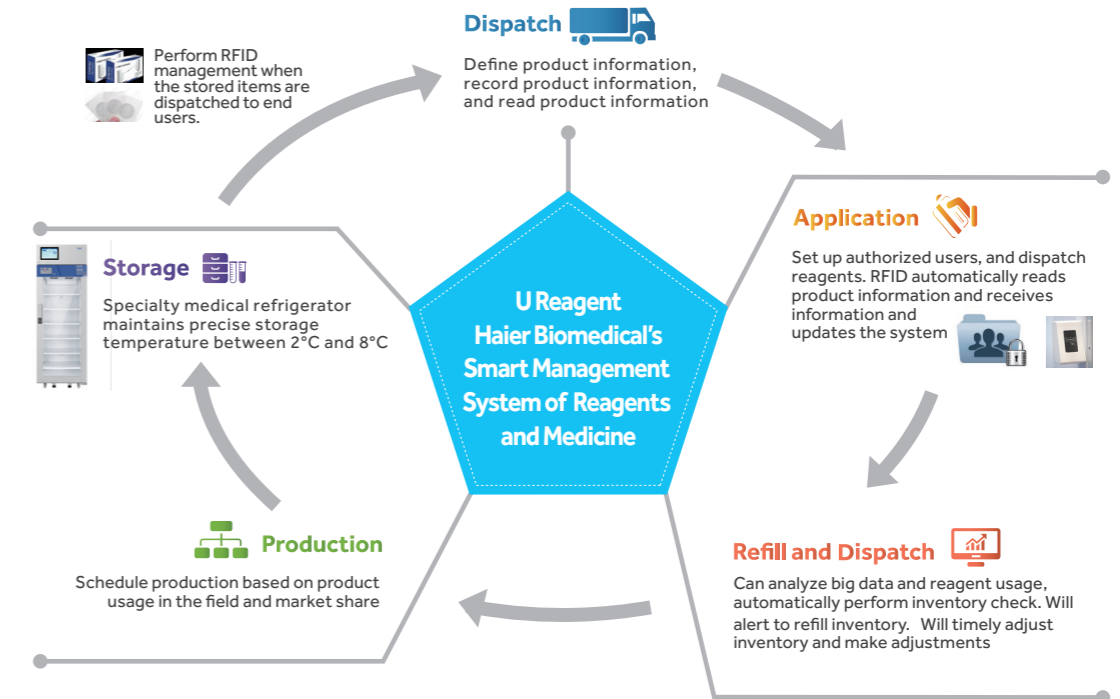
### Reagent Handling Process is Traceable and Controllable

Shipping and receiving processes of reagents are automatically monitored and controlled for authorized users. Every box of reagents is traceable.

# RFID Refrigerator

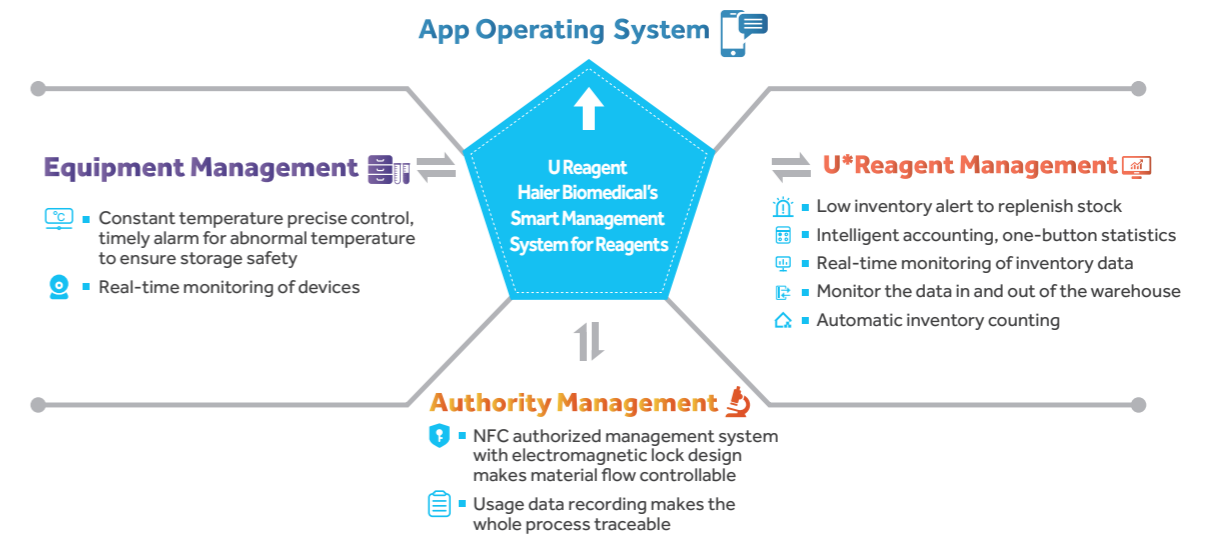
## Smart Management of Products

(It is suitable for manufacturing industry)



## From storage to use, the entire process is automatically and smartly controlled

(It is suitable for pharmaceutical factories, laboratories and hospitals)



## Product Specification

Model	Voltage (V/Hz)	Power (W)	External Dimensions (W*D*H) (mm)	Internal Dimensions (W*D*H) (mm)	Effective Volume (L)	Net Weight / Gross Weight (Kg)	Shelf	Touch Screen
HYC-509R	220-240/50/60	470	693*813*1981	593*585*1500	509	180/215	6	Yes



HYC-1099TF

HYC-509T

HYC-1099T

HYC-509TF










HYC-1099F

HYC-509













HYC-1099

HYC-509F

## Product Advantages

-  Microprocessor controller, 7-inch touch screen, easy to check the cabinet temperature graph, alarm & event records and other information; authority management is standard to avoid unauthorized access or incorrect settings
-  Excellent cooling performance, temperature uniformity  $\leq \pm 2^\circ\text{C}$ ; anti-freezing thermostat is equipped as standard, DIN13277 compliance
-  Double-paned tempered glass door with electronic heater to reduce condensation even at  $32^\circ\text{C}$ , 80% RH ambient; self-closing door hinge with  $90^\circ$  stop; magnetic gaskets to ensure a positive seal (Solid door type is also available upon request)
-  Electromagnetic lock is standard to avoid unauthorized access
-  Energy efficient interior LED lighting
-  Standard USB module to conveniently record and export cabinet temperature and alarm data; standard RS485 port and remote alarm contact for efficient external connection; optional printer to export cabinet temperature data
-  Eco-friendly hydrocarbon refrigerant (R600a) and CFC-free polyurethane insulation for reduced global warming
-  Hermetically sealed compressor, forced-air circulation with auto defrost to ensure high cooling performance
-  Multiple alarm functions for safer monitoring, audible/visual alert with mute function; remote alarm contact is equipped as standard
-  Adjustable plastic-coated wire shelves for improved circulation and flexible storage; fully extendable ABS drawer with divider is optional
-  25mm probe access port on side wall to accept user-provided monitoring equipment
-  4 universal casters with 2 leveling feet

## Product Advantages

-  Double-paned tempered glass door with electronic heater to reduce condensation even at  $32^\circ\text{C}$ , 80% RH ambient; self-closing door hinge with  $90^\circ$  stop; magnetic gaskets to ensure a positive seal
-  Microprocessor controller, digital display with  $0.1^\circ\text{C}$  resolution; easy to check the min/max temperature in the past 24 hours
-  Adjustable plastic-coated wire shelves for improved circulation and flexible storage; fully extendable ABS drawer with divider is optional
-  Convenient security with a top-mounted unique-key lock; electromagnetic lock is optional to avoid unauthorized access
-  Eco-friendly hydrocarbon refrigerant (R600a) and CFC-free polyurethane insulation for reduced global warming
-  Energy efficient interior LED lighting
-  Standard USB module to conveniently record and export cabinet temperature and alarm data; Standard RS485 port and remote alarm contact for efficient external connection; optional printer to export cabinet temperature data
-  Multiple alarm functions for safer monitoring, audible/visual alert with mute function; remote alarm contact is equipped as standard
-  Excellent cooling performance, temperature uniformity  $\leq \pm 2^\circ\text{C}$ ; anti-freezing thermostat is equipped as standard, DIN13277 compliance
-  Hermetically sealed compressor, forced-air circulation with auto defrost to ensure high cooling performance
-  25mm probe access port on side wall to accept user-provided monitoring equipment
-  4 universal casters with 2 leveling feet

## Specifications



Model	HYC-509T	HYC-509TF	HYC-1099T	HYC-1099TF	HYC-509	HYC-509F	HYC-1099	HYC-1099F		
Technical Data	Cabinet Type	Upright, Single Glass Door	Upright, Single Solid Door	Upright, Double Glass Door	Upright, Double Solid Door	Upright, Single Glass Door	Upright, Single Solid Door	Upright, Double Glass Door	Upright, Double Solid Door	
	Climate Class	N	N	N	N	N	N	N	N	
	Cooling Type	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	
	Defrost Mode	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	
	Refrigerant	HC	HC	HC	HC	HC	HC	HC	HC	
	Sound Level (dB(A))	40	40	43	43	40	40	43	43	
Performance	Temperature Range (°C)	2-8	2-8	2-8	2-8	2-8	2-8	2-8	2-8	
Control	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	
	Display	Touchscreen+LED	Touchscreen+LED	Touchscreen	Touchscreen	LED	LED	LED	LED	
Electrical Data	Energy Consumption (kWh/day)	5.9	5.3	6.8	6	5.9	5.3	6.8	6	
	Power Supply (V/Hz)	220-240/50/60	220-240/50/60	220-240/50/60	220-240/50/60	220-240/50/60	220-240/50/60	220-240/50/60	220-240/50/60	
	Power (W)	370	315	470	440	370	315	470	440	
	Electrical Current (A)	1.85	1.75	2.5	2.25	1.85	1.75	2.5	2.25	
	Power Consumption (kWh/24h)	5.9	5.3	6.8	6	5.9	5.3	6.8	6	
Construction	Capacity (L/Cu.Ft)	509/17.97	509/17.97	1099/38.5	1099/38.5	509/17.97	509/17.97	1099/38.5	1099/38.5	
	Net/Gross Weight (approx)	kg	180/215	175/210	340/400	330/390	180/215	175/210	340/400	330/390
		lbs	396/473	385/462	748/1000	726/858	396/473	385/462	748/1000	726/858
	Interior Dimensions (W*D*H)	mm	593*585*1500	593*585*1500	1295*585*1500	1295*585*1500	593*585*1500	593*585*1500	1295*585*1500	1295*585*1500
		in	23.21*22.9*58.8	23.21*22.9*58.8	50.7*22.9*58.8	50.7*22.9*58.8	23.21*22.9*58.8	23.21*22.9*58.8	50.7*22.9*58.8	50.7*22.9*58.8
	Exterior Dimensions (W*D*H)	mm	693*813*1981	693*813*1981	1395*813*1981	1395*813*1981	693*813*1981	693*813*1981	1395*813*1981	1395*813*1981
		in	27.1*31.9*77.7	27.1*31.9*77.7	54.7*31.9*77.7	54.7*31.9*77.7	27.1*31.9*77.7	27.1*31.9*77.7	54.7*31.9*77.7	54.7*31.9*77.7
Packing Dimensions (W*D*H)	mm	800*875*2100	800*875*2100	1525*900*2100	1525*900*2100	800*875*2100	800*875*2100	1525*900*2100	1525*900*2100	
	in	31.3*34.3*82.3	31.3*34.3*82.3	59.8*35.3*82.3	59.8*35.3*82.3	31.3*34.3*82.3	31.3*34.3*82.3	59.8*35.3*82.3	59.8*35.3*82.3	
Alarms	High/Low Temperature	Y	Y	Y	Y	Y	Y	Y	Y	
	High Ambient Temperature	Y	Y	Y	Y	Y	Y	Y	Y	
	Door Ajar	Y	Y	Y	Y	Y	Y	Y	Y	
	Power Failure	Y	Y	Y	Y	Y	Y	Y	Y	
	Low Battery	Y	Y	Y	Y	Y	Y	Y	Y	
	Sensor Error	Y	Y	Y	Y	Y	Y	Y	Y	
	Communication Failure	Y	Y	Y	Y	Y	Y	Y	Y	
	Condenser Overheat	Y	Y	Y	Y	Y	Y	Y	Y	
Accessories	Caster	Y	Y	Y	Y	Y	Y	Y	Y	
	Foot	Y	Y	Y	Y	Y	Y	Y	Y	
	Porthole	Y	Y	Y	Y	Y	Y	Y	Y	
	Shelves/Drawers	Y/Optional	Y/Optional	Y/Optional	Y/Optional	Y/Optional	Y/Optional	Y/Optional	Y/Optional	
	USB Interface	Y	Y	Y	Y	Y	Y	Y	Y	
	Remote Alarm	Y	Y	Y	Y	Y	Y	Y	Y	
Others	CEUKCA DIN13277 (optional)	Y	Y	Y	Y	Y	Y	Y		

Product appearance and specifications are subject to change without notice